

WHAT IS CLAIMED AS:

1. An extractor for the removal of cartridges from the cylinder bores of a revolver, said extractor comprising:

5 an extractor plate having a plurality of arms extending radially outward from an inner portion of the plate, said arms forming an inner surface between adjacent arms, said inner surface substantially conforming to the profile of a bore of the cylinder; said inner surface having an arc length that is greater than one-half the circumference of a cartridge disposed within the cylinder bores of the revolver, said inner surface contacts the rim of a cartridge and facilitates the
10 removal of the cartridge from the bore; and

a tubular stem having an end that is mounted to said inner portion of the extractor plate.

2. The extractor of claim 1 wherein the inner surface between adjacent arms is a substantially continuous curved concave surface.

3. The extractor of claim 1 wherein the inner surface between adjacent arms is a substantially non-continuous concave surface.

4. The extractor of claim 1 wherein the inner surface between adjacent arms has a beveled edge which is at an angle β relative to a central axis of the cylinder of the revolver, said beveled edge contacts the cartridge at its rim such that the extractor plate does not form a portion of the cylinder bores.

5. The extractor of claim 4 wherein angle β is about 60 degrees relative to the central axis of the cylinder of the revolver.

6. The extractor of claim 1 wherein the arms include an end portion that abuttingly contacts an inner surface of the cylinder to align the concave inner surfaces of the extractor plate with the bores of the cylinder.

7. The extractor of claim 6 wherein the end portion of the arms is a concave surface.

8. An extractor for the removal of cartridges from the cylinder of a revolver, said extractor comprising:

an extractor plate having a plurality of arms extending radially outward
5 from an inner portion of the plate, said arms forming an inner surface between adjacent arms, said inner surface contacts the rim of a cartridge and facilitates the removal of the cartridge from the cylinder of a revolver, the inner surface having a beveled edge, said beveled edge contacts the cartridge at the rim such that the extractor plate does not form part of the bores of the cylinder, said arms
10 further including an end portion that abuttingly contacts an inner surface of the cylinder to align the concave inner surfaces of the extractor plate with the bores of the cylinder; and

a tubular stem having an end that is mounted to said inner portion of the
15 extractor plate.

9. The extractor of claim 8 wherein said beveled edge is at an angle of about 60 degrees relative to a central axis of the cylinder of the revolver.

10. A firearm having a cylinder, said firearm comprising:

an extractor plate having a plurality of arms extending radially outward from an inner portion of the plate, said arms forming an inner surface between
5 adjacent arms, said inner surface substantially conforming to the profile of a bore of the cylinder, said inner surface having an arc length that is greater than one-half the circumference of a cartridge disposed within the cylinder bores of the revolver, said concave inner surface contacts the rim of a cartridge and facilitates the removal of the cartridge from the bore; and

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a tubular stem having an end that is mounted to said inner portion of the extractor plate.

11. The firearm of claim 10 wherein the inner surface between adjacent arms is a substantially continuous curved concave surface.

12. The firearm of claim 10 wherein the inner surface between adjacent arms is a substantially discontinuous concave surface.

13. The firearm of claim 10 wherein the inner surface between adjacent arms has a beveled edge which is at an angle β relative to a central axis of the cylinder of the revolver, said beveled edge contacts the cartridge at its rim such that the extractor plate does not form part of the bores of the cylinder.

14. The firearm of claim 13 wherein angle β is about 60 degrees relative to the central axis of the cylinder of the revolver.

15. The firearm of claim 10 wherein each arm includes an end portion that abuttingly contacts an inner surface of the cylinder to align the inner surfaces of the extractor plate with the bores of the cylinder.

16. The firearm of claim 15 wherein the end portions of the arms have a concave surface.

17. A firearm having a cylinder, said firearm comprising:

an extractor plate having a plurality of arms extending radially outward from an inner portion of the plate, each arm including an end portion that
5 abuttingly contacts an inner surface of the cylinder to align the inner surfaces of the extractor plate with the bores of the cylinder;

said arms forming an inner surface between adjacent arms, said inner surface substantially conforming to the profile of a bore of the cylinder, said
10 inner surface having an arc length that is greater than one-half the circumference of a cartridge disposed within the cylinder bores of the revolver, said inner surface contacts the rim of a cartridge and facilitates the removal of the cartridge from the bore, said inner surface having a beveled edge which is at
15 an approximately 60 degree angle relative to a central axis of the cylinder of the revolver, said beveled edge contacts the cartridge at its rim such that the extractor plate does not form a portion of the bores of the cylinder; and

a tubular stem having an end that is mounted to said inner portion of the extractor plate.
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18. The firearm of claim 17 wherein the inner surface between adjacent arms is a substantially continuous curved concave surface.

19. The firearm of claim 17 wherein the inner surface between adjacent arms is a substantially discontinuous concave surface.

20. An extractor for the removal of cartridges from the cylinder bores of a revolver, said extractor comprising:

- 5 an extractor plate having a plurality of arms extending radially outward from an inner portion of the plate, said arms forming an inner surface between adjacent arms, said inner surface substantially conforming to the profile of a bore of the cylinder; said inner surface having an arc length that is greater than one-half the circumference of a cartridge disposed within the cylinder bores of the revolver, said inner surface contacts the rim of a cartridge and facilitates the removal of
- 10 the cartridge from the bore, at least one of said arms having a convex end portion that abuttingly contacts an inner surface of the cylinder to align the inner surfaces of the extractor plate with the bores of the cylinder; and
- 15 a tubular stem having an end that is mounted to said inner portion of the extractor plate.